

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/39388

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60R5/04 B60R7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 247 693 A (BOS GMBH & CO KG) 9 October 2002 (2002-10-09) column 6, line 3 -column 11, line 28; figures 1,3-10,15,16 ---	1-5,7,8, 10
X	GB 1 331 808 A (CITROEN SA) 26 September 1973 (1973-09-26)	1,5,10
Y	page 3, line 26 - line 50 page 3, line 72 -page 4, line 46; figures 5,7,8 ---	2-4,7
A	DE 41 10 089 A (BAYERISCHE MOTOREN WERKE AG) 1 October 1992 (1992-10-01) abstract	1
Y	column 1, line 65 -column 3, line 22; figures 1-3 ---	2-4,7
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

4 May 2004

11/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Schombacher, H

INTERNATIONAL SEARCH REPORT

itonal Application No

,US 03/39388

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 329 620 A (FIAT AUTO SPA) 23 August 1989 (1989-08-23) column 2, line 34 -column 3, line 56; figures 1-4,6,8 -----	1,5,10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/39388

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
EP 1247693	A 09-10-2002	DE 10117837 A1	EP 1247693 A2	JP 2002308016 A	24-01-2002 09-10-2002 23-10-2002
GB 1331808	A 26-09-1973	FR 2087511 A5	DE 2123462 A1	ES 195579 Y	31-12-1971 13-01-1972 16-07-1975
DE 4110089	A 01-10-1992	DE 4110089 A1			01-10-1992
EP 0329620	A 23-08-1989	IT 1219013 B	BR 8900483 A	DE 68903845 D1	24-04-1990 03-10-1989 28-01-1993
		DE 68903845 T2	EP 0329620 A1	ES 2036052 T3	22-04-1993 23-08-1989 01-05-1993